

APPARATUS FOR COUPLING A FIBER OPTIC CABLE TO AN
OPTOELECTRONIC DEVICE, A SYSTEM INCLUDING THE APPARATUS,
AND A METHOD OF FORMING THE SAME

Abstract

5 A device for forming an optical connection between an optoelectronic device and an
optical fiber and for forming an electrical connection between the optoelectronic device and a
substrate, a system including the device and materials, and methods of forming the device and
system are disclosed. The device for forming an optical connection includes a – light
transmission medium and electrical connectors, which are at least partially encapsulated. In
10 addition, the device includes guide grooves configured to receive guide pins from a fiber ribbon
connector, such that when the fiber ribbon connector is attached to the device, fibers of the
ribbon align with the optoelectronic device via the light transmission medium.